AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method, comprising:

determining timing associated with a first uplink channel from a first mobile unit to a base station;

receiving a grant signal permitting transmission of information over a second uplink channel from the first mobile unit to the base station; and

transmitting information over the second uplink channel at a time related to the timing of the first uplink channel and a time at which the grant signal is received.

2. (Currently Amended) A method, as set forth in claim 1, wherein transmitting information over the second uplink channel further comprises transmitting information over the second uplink channel at a time near a preselected target time while maintaining substantial orthogonality with the timing of the first uplink channel.

3. (Currently Amended) A method, as set forth in claim 2, wherein transmitting information over the second uplink channel at a time near a preselected target time further comprises transmitting information over the second uplink channel at a time near a preselected period of time after receiving the grant signal.

4. (Currently Amended) A method, as set forth in claim 1, wherein transmitting information over the second uplink channel further comprises transmitting

information over the second uplink channel a preselected duration of time after the timing associated with the first uplink channel.

5. (Currently Amended) A method, as set forth in claim 4, wherein transmitting information over the second uplink channel a preselected duration of time after the timing associated with the first uplink channel further comprises determining the preselected duration of time by multiplying a variable (m) times a constant, wherein the constant is related to the timing of the first uplink channel.

6. (Currently Amended) A method, as set forth in claim 5, wherein determining the preselected duration of time further comprises multiplying a variable (m) times a constant, wherein the constant is a portion of time associated with the timing of the first uplink channel.

7. (Currently Amended) ~~A method, as set forth in claim 5,~~ A method, comprising:

determining timing associated with a first channel;

receiving a grant signal permitting transmission of information over a second channel; and

transmitting information over the second channel at a time related to the timing of the first channel and a time at which the grant signal is received, wherein transmitting information over the second channel further comprises transmitting information over the second channel a preselected duration of time after the timing associated with the first channel, and wherein transmitting information over the second

channel a preselected duration of time after the timing associated with the first channel further comprises determining the preselected duration of time by multiplying a variable (m) times a constant, wherein the constant is related to the timing of the first channel, and wherein determining the preselected duration of time further comprises multiplying a variable (m) times a constant, wherein the constant is about 10% of a period of time associated with the timing of the first channel.

8. (Currently Amended) A method, as set forth in claim 1, wherein receiving the grant signal further comprises receiving a grant signal from [[a]] the base station permitting transmission of information by [[a]] the first mobile device over the second uplink channel.

9. (Currently Amended) A method, as set forth in claim 1, wherein determining timing associated with the first uplink channel further comprises determining timing associated with a first uplink channel based on timing used to transmit information from a second mobile device to [[a]] the base station.

10. (Currently Amended) A method, comprising:

determining timing associated with a first uplink channel from a first mobile unit to a base station;

receiving a grant signal permitting transmission of information over a second uplink channel from the first mobile unit to the base station; and

transmitting information over the second uplink channel at a time near a preselected target time while maintaining substantial orthogonality with the timing of the first uplink channel.

11. (Currently Amended) A method, as set forth in claim 10, wherein transmitting information over the second uplink channel at a time near a preselected target time further comprises transmitting information over the second uplink channel at a time near a preselected period of time after receiving the grant signal.

12. (Currently Amended) A method, as set forth in claim 10, wherein transmitting information over the second uplink channel further comprises transmitting information over the second uplink channel a preselected duration of time after the timing associated with the first uplink channel.

13. (Currently Amended) A method, as set forth in claim 12, wherein transmitting information over the second uplink channel a preselected duration of time after the timing associated with the first uplink channel further comprises determining the preselected duration of time by multiplying a variable (m) times a constant, wherein the constant is related to the timing of the first uplink channel.

14. (Currently Amended) A method, as set forth in claim 13, wherein determining the preselected duration of time further comprises multiplying a variable (m) times a

constant, wherein the constant is a portion of time associated with the timing of the first uplink channel.

15. (Currently Amended) ~~A method, as set forth in claim 14,~~ A method, comprising:

determining timing associated with a first channel;

receiving a grant signal permitting transmission of information over a second channel; and

transmitting information over the second channel at a time near a preselected target time while maintaining substantial orthogonality with the timing of the first channel, wherein transmitting information over the second channel further comprises transmitting information over the second channel a preselected duration of time after the timing associated with the first channel, wherein transmitting information over the second channel a preselected duration of time after the timing associated with the first channel further comprises determining the preselected duration of time by multiplying a variable (m) times a constant, wherein the constant is related to the timing of the first channel, wherein determining the preselected duration of time further comprises multiplying a variable (m) times a constant, wherein the constant is a portion of time associated with the timing of the first channel, and wherein determining the preselected duration of time further comprises multiplying a variable (m) times a constant, wherein the constant is about 10% of a period of time associated with the timing of the first uplink channel.

16. (Currently Amended) A method, as set forth in claim 10, wherein receiving the grant signal further comprises receiving a grant signal from [[a]] the base station permitting transmission of information by [[a]] the first mobile device over the second uplink channel.

17. (Currently Amended) A method, as set forth in claim 10, wherein determining timing associated with the first uplink channel further comprises determining timing associated with a first uplink channel based on timing information used to transmit information from a second mobile device to [[a]] the base station.